

Technical Data Sheet

Icorene 3440

Polyethylene Copolymer
LyondellBasell Industries
Rotomolding

| General | | | |
|-------------------|--|---|--|
| Additive | <ul style="list-style-type: none"> • UV Stabilizer | | |
| Features | <ul style="list-style-type: none"> • Butene Comonomer • Copolymer • Food Contact Acceptable | <ul style="list-style-type: none"> • Good Processability • Good Stiffness • High ESCR (Stress Crack Resist.) | <ul style="list-style-type: none"> • UV Resistant |
| Agency Ratings | <ul style="list-style-type: none"> • FDA 21 CFR 177.1520 | | |
| Appearance | <ul style="list-style-type: none"> • Natural Color | | |
| Forms | <ul style="list-style-type: none"> • Powder | | |
| Processing Method | <ul style="list-style-type: none"> • Rotational Molding | | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|-------------------------|-------------------------|-------------|
| Density | 0.934 g/cm ³ | 0.934 g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg) | 4.0 g/10 min | 4.0 g/10 min | ASTM D1238 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength ¹ (Yield) | 3050 psi | 21.0 MPa | ASTM D638 |
| Tensile Elongation ¹ (Break) | 1000 % | 1000 % | ASTM D638 |
| Flexural Modulus ² | 104000 psi | 720 MPa | ASTM D790 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Vicat Softening Temperature | 239 °F | 115 °C | ASTM D1525 |
| Aging | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Accelerated Aging | 5.5 month | 5.5 month | ASTM G26 |

Notes
¹ 2.0 in/min (50 mm/min)
² 0.051 in/min (1.3 mm/min)

Notes
 These are typical property values not to be construed as specification limits.